



# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

**Page** 1/8

# **Duet - Citrus Leaves**

Revision 3 Revision date 2012-12-23

SECTION 1: Identification	of the substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	Duet - Citrus Leaves
1.2. Relevant identified uses	of the substance or mixture and uses advised against
Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services,
	craftsmen); [PC3] Air care products;
Description	Metered aerosols - Air Neutralizers.
1.3. Details of the supplier o	f the safety data sheet
Company	Rubbermaid Commercial Products LLC
Address	Newell Rubbermaid Europe Sàrl
	Chemin de Blandonnet 10
	CH-1214 Vernier / Geneva / Switzerland
Web	www.rubbermaid.eu/contact
Telephone	+44 (0)8705 686 824
Fax	+44 (0)2030 279 352
Email	sds.CommercialProducts@newellco.com
Local Supplier	
Company	Newell Poland Services Sp. z o. o.
Address	2 UI. Wybickiego
	Manieczki
	Brodnica
	63-112
1A7 1	Poland
Web	www.rubbermaid.eu/contact
Telephone	+44 (0)8705 686 824
Fax	+44 (0)2030 279 352
1.4. Emergency telephone n	umber
Emergency telephone	+44 (0)8705 686 824
number	
	Monday till Friday (08:30 - 17:00)
Intended use	
	Fragranced metered aerosol space sprays designed for use in proprietary automated dispensers.
Further information	
Informing Department	Technical Services Department.
SECTION 2: Hazards ide	ntification
2.1. Classification of the sub	stance or mixture
2.1.1. Classification -	F+; R12
1999/45/EC	Symbols: F+: Extremely flammable.
Main hazards	Extremely flammable.

Powered by ChemSoft EH&S

Revision 3 Revision date 2012-12-23

### 2.2. Label elements

The product is classified in accordance with 67/548/EEC.

For professional use only.

F+: Extremely flammable.



Risk phrases

**Symbols** 

Safety phrases

R12 - Extremely flammable.

S2 - Keep out of the reach of children.

S16 - Keep away from sources of ignition - No smoking.

S23 - Do not breathe gas/fumes/vapour/spray.

S51 - Use only in well-ventilated areas.

**Precautionary Phrases** 

P10 - Contains hexyl cinnamal, citronellol, citral, tetramethyl acetyloctahydronaphthalenes,

limonene. May produce an allergic reaction.

### **Further information**

Classification system

For mixtures, classification is in compliance with Regulation (EC) 1999/45. The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

# SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

### 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Isobutane	601-004-00-0	75-28-5	200-857-2		40 - 50%	F+; R12
Propane	601-003-00-5	74-98-6	200-827-9		10 - 20%	F+; R12
Ethanol	603-002-00-5	64-17-5	200-578-6		10 - 20%	F; R11
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		1 - 10%	F; R11 Xi; R36 R67
Dipropylene Glycol		110-98-5	203-821-4		1 - 10%	
D-Limonene	601-029-00-7	5989-27-5	227-813-5		< 1%	R10 Xi; R38 R43 N; R50/53
Hexyl Cinnamal		101-86-0	202-983-3		< 1%	Xi; R43 N; R50/53
Linalyl acetate		115-95-7	204-116-4		< 1%	Xi; R38 N; R51/53
tetramethyl Acetyloctahydronaphthalenes		54464-57-2	259-174-3		< 1%	Xi; R43 N; R51/53
Citral	605-019-00-3	5392-40-5	226-394-6		< 1%	Xi; R38 R43
2-Tertiary-butylcyclohexyl acetate		88-41-5	201-828-7		< 1%	N; R51/53
Citronellol		106-22-9	203-375-0		< 1%	

# **Further information**

Regulation (EU) 453/2010 - Substances in compliance with Regulation (EC) 1272/2008.

Isobutane - Flam. Gas 1: H220; GHS02; GHS04;.

Propane - Flam. Gas 1: H220; GHS02; GHS04;.

Ethanol - Flam. Liq. 2: H225; GHS02;.

Isopropanol - Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; GHS07; GHS02;.

Dipropylene Glycol - Skin Irr. 2: H315; Eye Irr. 2: H319; GHS07;.

D-limonene - Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 1: H410;

GHS07; GHS02; GHS09;.



Revision 3 Revision date 2012-12-23

Heysy cinnamal - Skin Sens. 1: H317: Aquatic Acute 1: H400; Aquatic Chronic 1: H410, GHS07; GHS07; Uningly acetate - Skin Irrit. 2: H315; Eye Dam. 2: H319; GHS07; Tetramethy acetylocathydronaphthalenes - Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquat. Chronic 2: H411; GHS07; GHS08; Cliral - Skin Irrit. 2: H315; Skin Sens. 1: H317; GHS07; 2: Tetram-phyty/schlowsyl acetate - Aquatic Chronic 2: H411; GHS09; Citronalol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H319; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H319; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H319; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H319; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H319; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H319; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H319; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Citronalol - Skin Irrit. 2: H319; C	Further information	
Linstyl acetate - Skin Irrit 2: H315; Eye Dem 2: H315; GN507; Tetramethyl acetyloctalpydronaphthalenes - Skin Irrit 2: H315; Skin Sens. 1: H317; Aquat. Chronic 2: H411; GH507; GH500; Citral - Skin Irrit. 2: H315; Skin Sens. 1: H317; GH507; 2: Tetrafary-buylcyclohoxyl acetate - Aquatic Chronic 2: H411; GH509; Citroneliol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H315; GH507; Citroneliol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GH507; Citroneliol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GH507; Citroneliol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GH507; Citroneliol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GH507; Citroneliol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GH507; Citroneliol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GH507; Citroneliol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GH507; Citroneliol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GH507; Citroneliol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GH507; Citroneliol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GH507; Citroneliol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GH507; Citroneliol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GH507; Citroneliol - Mixture of organic selection - Skin Irrit. 2: H319; GH507; Citroneliol - Move the exposed person to fresh air.  Rinse immediately with plenty of soap and water.  Rinse mouth throughly blenty of soap and water.  Rinse immediately wit		Hexyl cinnamal - Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; GHS07;
Tetramethyla acetylocalaydronaphthalenes - Skin Irrit. 2: H315, Skin Sens. 1: H317; Aquat. Chronic 2: H411; GHSQP; Citral - Skin Irrit. 2: H315, Skin Sens. 1: H317; GHSQP; 2: Tertiary-butylcyclohexyla acetate - Aquatic Chronic 2: H411; GHSQP; Citronellol - Skin Irrit. 2: H315, Skin Sens. 1: H317; Eye Dam. 2: H319; GHSQP; Citronellol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHSQP; Mixture of organic solvents, perfume and propane/iso-butane (propellant).  SECTION 4: First aid measures 4.1. Description of first aid measures Inhalation Move the exposed person to fresh air. Eye contact Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Wash off immediately with plenty of soap and water. Ingestion Rinse immediately with plenty of soap and water. Rinse immediately with plenty of soap and water. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Wash off immediately with plenty of soap and water. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.  Wash off immediately with plenty of water for 15 minutes holding the eyelids open.  May cause initiation to eyes. May cause initiation to eyes. Rinder immediately with plenty of water for 15 minutes holding the eyelids open.  If you feel urwell, seek medical advice (show the label where possible). Seek medical attention and special treatment needed Inhalation In case of accident or if you feel urwell, seek medical advice immediately (show the label where possible).  SeeCTION 5: Firefighting		GHS09;.
2: H411; GHS07; GHS09; Citrol - Skin int : 2: H315; Skin Sens. 1: H317; GHS07; 2-Tertiany-butylcyclohexyl acetate - Aquatic Chronic 2: H411; GHS09; Citroneliol - Skin Intt. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07; Pull text for all Risk Phrases memotioned in this section are displayed in Section 16.    Description   Mixture of organic solvents, perfume and propane/iso-butane (propellant).		
Citral - Skin Irrit. 2: H315; Skin Sens. 1: H317; GHS07; - Zhertiany-butylcyclobexyl actatica - Aquatic Chronic 2: H411; GHS09; - Citronellol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07;.  Full text for all Risk Phrases mentioned in this section are displayed in Section 16.  Description  Mixture of organic solvents, perfume and propane/iso-butane (propellant).  SECTION 4: First aid measures  4.1. Description of first aid measures  (Inhalation		
2-Tertiary-butylocyclobacyl acetate - Aquatic Chronic 2: H411; GHS09. Citronellol - Skin Irrit. 2: H4315; Skin Sens. 1: H4317; Eye Dam. 2: H4319; GHS07; Full text for all Risk Phrases mentioned in this section are displayed in Section 16.  Mixture of organic solvents, perfume and propane/iso-butane (propellant).  SECTION 4: First aid measures  Inhalation Eye contact Skin contact Ingestion Rinse mouth thoroughly. Do NOT INDUCE VOMITING.  4.2. Most important symptoms and effects, both acute and delayed Inhalation Eye contact May cause irritation to eyes. Skin contact May cause irritation to eyes. Skin contact Halation Eye contact Skin contact Inhalation Inhalation Eye contact Skin contact May cause dizziness and headache. May cause irritation to eyes. Skin contact May cause irritation to eyes. Skin contact Inhalation Eye contact Skin contact Inhalation Eye contact Skin contact Inhalation Eye contact Skin contact Seek medical attention and special treatment needed Inhalation Eye contact Seek medical attention and special treatment needed Inhalation Eye contact Seek medical attention if irritation or symptoms persist.  Further information  In case of accident or if you feel unwell, seek medical advice (show the label where possible).  Seek medical attention if irritation or symptoms persist.  Further information  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures  5.1. Extinguishing media  Carbon dioxide (CO2), Alcohol resistant foam. Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatonnite, acid binders, universal binders, sawdust).		
Additional Information: Description  Full text for all Risk Phrases mentioned in this section are displayed in Section 16. Mixture of organic solvents, perfume and propane/iso-butane (propellant).  SECTION 4: First aid measures  Inhalation Eye contact Skin contact Wash off immediately with plenty of water for 15 minutes holding the eyelids open.  Wash off immediately with plenty of soap and water.  Rinse immediately with plenty of soap and water.  Rinse mouth throughly. Do NOT INDUCE VOMITING.  4.2. Most important symptoms and effects, both acute and delayed  Inhalation By cause dizziness and headache. May cause irritation to skin.  4.3. Indication of any immediate medical attention and special treatment needed  Inhalation If you feel unwell, seek medical advice (show the label where possible).  Seek medical attention.  Seek medical attention or symptoms persist.  Further information  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures  5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Wear suitable respiratory equipment when necessary.  Further information  Wear suitable respiratory equipment when necessary.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).		
Mixture of organic solvents, perfume and propane/iso-butane (propellant).		Citronellol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07;.
### SECTION 4: First aid measures  4.1. Description of first aid measures  Inhalation	Additional Information:	Full text for all Risk Phrases mentioned in this section are displayed in Section 16.
A.1. Description of first aid measures	Description	Mixture of organic solvents, perfume and propane/iso-butane (propellant).
Inhalation   Move the exposed person to fresh air.   Rinse immediately with plenty of water for 15 minutes holding the eyelids open.   Wash off immediately with plenty of soap and water.   Wash off immediately with plenty of soap and water.   Rinse mouth thoroughly. DO NOT INDUCE VOMITING.	SECTION 4: First aid measu	res
Eye contact Skin contact Wash off immediately with plenty of water for 15 minutes holding the eyelids open. Wash off immediately with plenty of soap and water. Rinse mouth thoroughly. DO NOT INDUCE VOMITING. 4.2. Most important symptoms and effects, both acute and delayed Inhalation By cause dizziness and headache. May cause irritation to eyes. May cause irritation to skin. 4.3. Indication of any immediate medical attention and special treatment needed Inhalation By cause irritation and special treatment needed Inhalation By cause irritation to skin. 4.3. Indication of any immediate medical attention and special treatment needed Inhalation By contact Seek medical attention if irritation or symptoms persist. Further information In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures 5.1. Extinguishing media  Carbon dioxide (CO2), Alcohol resistant foam. Do NOT use water jet. 5.2. Special hazards arising from the substance or mixture Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2). 5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area. 6.2. Environmental precautions  No environmental requirements. 6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	4.1. Description of first aid meas	sures
Skin contact Ingestion Rinse mouth throroughly. DO NOT INDUCE VOMITING. 4.2. Most important symptoms and effects, both acute and delayed Inhalation By contact May cause dizziness and headache. By contact May cause irritation to eyes. Skin contact May cause irritation to skin. 4.3. Indication of any immediate medical attention and special treatment needed Inhalation If you feel unwell, seek medical advice (show the label where possible). By contact Seek medical attention if irritation or symptoms persist. Further information  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures 5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet. 5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2). 5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further Information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area. 6.2. Environmental precautions  No environmental requirements. 6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomitte, acid binders, universal binders, sawdust).	Inhalation	Move the exposed person to fresh air.
Ingestion Rinse mouth thoroughly. DO NOT INDUCE VOMITING. 4.2. Most important symptoms and effects, both acute and delayed Inhalation Eye contact May cause irritation to eyes. Skin contact May cause irritation to skin. 4.3. Indication of any immediate medical attention and special treatment needed Inhalation If you feel unwell, seek medical advice (show the label where possible). Eye contact Seek medical attention. Seek medical attention or symptoms persist. Further information  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures 5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet. 5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2). 5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area. 6.2. Environmental precautions  No environmental requirements. 6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
4.2. Most important symptoms and effects, both acute and delayed Inhalation  May cause dizziness and headache.  Eye contact May cause irritation to eyes.  Skin contact May cause irritation to skin.  4.3. Indication of any immediate medical attention and special treatment needed Inhalation If you feel unwell, seek medical advice (show the label where possible).  Eye contact Seek medical attention.  Seek medical attention or symptoms persist.  Further information  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures  5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	Skin contact	Wash off immediately with plenty of soap and water.
4.2. Most important symptoms and effects, both acute and delayed Inhalation  May cause dizziness and headache.  Eye contact May cause irritation to eyes.  Skin contact May cause irritation to skin.  4.3. Indication of any immediate medical attention and special treatment needed Inhalation If you feel unwell, seek medical advice (show the label where possible).  Eye contact Seek medical attention.  Seek medical attention or symptoms persist.  Further information  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures  5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	Ingestion	Rinse mouth thoroughly. DO NOT INDUCE VOMITING.
Eye contact Skin contact May cause irritation to eyes. May cause irritation to skin.  4.3. Indication of any immediate medical attention and special treatment needed Inhalation Eye contact Seek medical attention. Skin contact Seek medical attention if irritation or symptoms persist.  Further information  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures 5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).		
Skin contact  May cause irritation to skin.  4.3. Indication of any immediate medical attention and special treatment needed  Inhalation  If you feel unwell, seek medical advice (show the label where possible).  Seek medical attention.  Seek medical attention or symptoms persist.  Further information  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures  5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam.  Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	Inhalation	May cause dizziness and headache.
4.3. Indication of any immediate medical attention and special treatment needed Inhalation Eye contact Seek medical attention. Seek medical attention or symptoms persist. Further information  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures 5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet. 5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2). 5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area. 6.2. Environmental precautions  No environmental requirements. 6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	Eye contact	May cause irritation to eyes.
If you feel unwell, seek medical advice (show the label where possible).  Seek medical attention.  Seek medical attention if irritation or symptoms persist.  Further information  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures  5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	Skin contact	May cause irritation to skin.
Eye contact Seek medical attention. Skin contact Seek medical attention if irritation or symptoms persist.  Further information  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures  5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	4.3. Indication of any immediate	
Sek medical attention if irritation or symptoms persist.  Further Information  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures  5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	Inhalation	If you feel unwell, seek medical advice (show the label where possible).
Further information  In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures  5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	Eye contact	Seek medical attention.
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  SECTION 5: Firefighting measures  5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	Skin contact	Seek medical attention if irritation or symptoms persist.
SECTION 5: Firefighting measures   5.1. Extinguishing media	Further information	
5.1. Extinguishing media  Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).		
Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	SECTION 5: Firefighting mea	asures
Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	5.1. Extinguishing media	
Do NOT use water jet.  5.2. Special hazards arising from the substance or mixture  Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).		Carbon dioxide (CO2). Alcohol resistant foam.
Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).  5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).		
5.3. Advice for firefighters  Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area. 6.2. Environmental precautions  No environmental requirements. 6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	5.2. Special hazards arising from	m the substance or mixture
Wear suitable respiratory equipment when necessary.  Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).		Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).
Further information  Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area. 6.2. Environmental precautions  No environmental requirements. 6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	5.3. Advice for firefighters	
Cool fire exposed containers with waterspray.  SECTION 6: Accidental release measures 6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area. 6.2. Environmental precautions  No environmental requirements. 6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).		Wear suitable respiratory equipment when necessary.
SECTION 6: Accidental release measures  6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	Further information	
6.1. Personal precautions, protective equipment and emergency procedures  Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).		Cool fire exposed containers with waterspray.
Wear suitable protective equipment. Evacuate personnel to a safe area.  6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	SECTION 6: Accidental relea	ase measures
6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	6.1. Personal precautions, prote	ective equipment and emergency procedures
6.2. Environmental precautions  No environmental requirements.  6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).		Wear suitable protective equipment. Evacuate personnel to a safe area.
6.3. Methods and material for containment and cleaning up  Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).	6.2. Environmental precautions	
Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).		No environmental requirements.
diatomite, acid binders, universal binders, sawdust).	6.3. Methods and material for co	ontainment and cleaning up
· · · · · · · · · · · · · · · · · · ·		
	6.4. Reference to other sections	3

Revision Revision date 2012-12-23

6.4. Reference to other sections

See section 8 + 13 for further information.

# SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Wear suitable protective equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

Ensure adequate ventilation of the working area.

Keep in a cool, dry, well ventilated area. Heat will increase pressure in sealed containers. Keep away from sources of ignition - No smoking. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Do not store with strong oxidising agents, Strong acids. Protect from heat and direct sunlight. Observe official regulations on storing packagings with pressurised containers.

# 7.3. Specific end use(s)

Air care products.

### SECTION 8: Exposure controls/personal protection

# 8.1. Control parameters

### 8.1.1. Exposure Limit Values

Ethanol	WEL 8-hr limit ppm: 1000	WEL 8-hr limit mg/m3: 1920
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400	WEL 8-hr limit mg/m3: 999
	WEL 15 min limit ppm: 500	WEL 15 min limit mg/m3: 1250

## 8.2. Exposure controls

8.2.1. Appro	priate
engineering	controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Adopt best Manual Handling considerations when handling, carrying and dispensing.

Eye / face protection

Avoid contact with eyes.

Skin protection -Handprotection

Wash hands after handling the product.

Respiratory protection

Not normally required.

Further information

Additional Information:

Wash hands during breaks and at the end of the work.

# SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

State

Aerosol

Colour **Odour** Characteristic

According to Product specification.

Vapour pressure

4.0 ± 0.5 bar

Relative density 0.62 - 0.632

**Explosive** 1.8 - 19.0 vol %

# SECTION 10: Stability and reactivity

# 10.1. Reactivity

Stable under normal conditions.

## 10.2. Chemical stability



Revision 3
Revision date 2012-12-23

	Revision date 2012-12-2
10.2. Chemical stability	
	Will not decompose if stored and used as recommended.
10.3. Possibility of hazardous re	eactions
	Strong oxidising agents.
10.4. Conditions to avoid	
	Store at temperatures above 50 °C. Heat, sparks and open flames.
10.5. Incompatible materials	
	No data available.
10.6. Hazardous decomposition	products
	Carbon oxides. Carbon dioxide (CO2).
SECTION 11: Toxicological i	information
11.1. Information on toxicological	
Skin corrosion/irritation	May cause irritation to skin. May cause allergic reactions in susceptible people.
11.1.4. Toxicological Information	
Ethanol	Oral Rat LD50: 6200 - 17800
	mg/kg
Isopropanol	Inhalation Rat LC50/4 h: >20 mg/l Oral Rat LD50: >5000 mg/kg
	Dermal Rabbit LD50: >5000 mg/kg
SECTION 12: Ecological info	ormation
12.1. Toxicity	
Ethanol	Algae IC50/72h: 5000 mg/l Fish LC50/96h: 11400 mg/l
12.2. Persistence and degradab	No data is available on this product.
12.2. Persistence and degrada.	
12.3. Bioaccumulative potential	Evaporates readily.
12.5. Bioaccumulative potential	
12.4 Mobility in soil	Does not bioaccumulate.
12.4. Mobility in soil	T
12.5. Results of PBT and vPvB	Evaporates readily.
12.5. Results of PBT and VPVB	
12.6. Other adverse effects	No data is available on this product.
12.6. Other adverse effects	T.,
Further information	No data available.
	Do not all annual distriction and a district
	Do not allow product to enter drains.
SECTION 13: Disposal cons	iderations
General information	
	Dispose of in compliance with all local and national regulations.
Disposal methods	·
	Contact a licensed waste disposal company.
Disposal of packaging	
Disposal of packaging	Dispose of in compliance with all local and national regulations. Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.



Revision 3 Revision date 2012-12-23

# Hazard pictograms



# 14.1. UN number

П	 	NI	1	0	5	$\sim$
	 u	ıv		ч	-	u

# 14.2. UN proper shipping name

**AEROSOLS** 

# 14.3. Transport hazard class(es)

ADR/RID	2
Subsidiary risk	see SP63
IMDG	2
Subsidiary risk	see SP63
IATA	2
Subsidiary risk	see SP63

# 14.4. Packing group

Packing group	ı
---------------	---

### 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

# ADR/RID

Hazard ID	-
Tunnel Category	(D)

# **IMDG**

EmS Code F-D S-U
------------------

### **IATA**

Packing Instruction (Cargo)	203
Maximum quantity	150 kg
Packing Instruction	203
(Passenger)	
Maximum quantity	75 kg

# **Further information**

Regulations

Remarks	ADR - Goods are classified as "Limited Quantities" and are therefore excempt from ADR regulations. Check local legislation for domestic transport.
Remarks	IMDG - Goods are classified as "Limited Quantities" and are therefore exempt from IMDG
	regulations. Check local regulation for domestic transport.
Remarks	"Limited Quantity".

# SECTION 15: Regulatory information

# 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No
1907/2006 of the European Parliament and of the Council on the Registration, Evaluation,
Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency,
amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and
Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and

Aerosol product is manufactured in compliance with Commission Directive 2008/47/EC.



Revision 3 Revision date 2012-12-23

# 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

## 15.2. Chemical safety assessment

No data is available on this product.

### **Further information**

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material

# **SECTION 16: Other information**

Other information	
Revision	This document differs from the previous version in the following areas:.
	1 - Product Use.
	2 - 2.1. Classification of the substance or mixture.
	3 - Further information.
	4 - Skin contact.
	4 - Skin contact.
	8 - Additional Information:.
	9 - 9.1. Information on basic physical and chemical properties (State).
	9 - 9.1. Information on basic physical and chemical properties (Colour).
	9 - 9.1. Information on basic physical and chemical properties (Odour).
	9 - 9.1. Information on basic physical and chemical properties (Relative density).
	11 - Skin corrosion/irritation.
	11 - Respiratory or skin sensitisation.
	14 - IMDG.
	15 - Labelling.
	15 - Risk phrases.
	15 - Precautionary Phrases.
	16 - General information.
Data sources	Raw Material Data Sheets.
	Exposure limits.
Text of risk phrases in	R10 - Flammable
Section 3	R11 - Highly flammable.
	R12 - Extremely flammable.
	R36 - Irritating to eyes.
	R38 - Irritating to skin.
	R43 - May cause sensitisation by skin contact.
	R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic
	environment.
	R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

### General information

Additional information in compliance with Regulation (EC) 1272/2008.

H220 - Extremely flammable gas.

H225 - Highly flammable liquid and vapour.

R67 - Vapours may cause drowsiness and dizziness.

H226 - Flammable liquid and vapour.

H315 - Causes skin irritation.

environment.

Revision 3 Revision date 2012-12-23

General information	
	H317 - May cause an allergic skin reaction.
	H319 - Causes serious eye irritation.
	H336 - May cause drowsiness or dizziness.
	H410 - Very toxic to aquatic life with long lasting effects.
	H411 - Toxic to aquatic life with long lasting effects.
Further information	
	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.  *.
Informing Department	Technical Services Department.







# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

**Page** 1/8

# **Duet - Tender Fruits**

Revision 4
Revision date 2012-12-23

SECTION 1: Identification	of the substance/mixture and of the company/undertaking			
1.1. Product identifier	. , ,			
Product name	Duet - Tender Fruits			
1.2. Relevant identified uses	of the substance or mixture and uses advised against			
Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC3] Air care products;			
Description	Metered aerosols - Air Neutralizers.			
1.3. Details of the supplier of	the safety data sheet			
Company	Rubbermaid Commercial Products LLC			
Address	Newell Rubbermaid Europe Sàrl			
	Chemin de Blandonnet 10 CH-1214 Vernier / Geneva / Switzerland			
Web	www.rubbermaid.eu/contact			
Telephone	+44 (0)8705 686 824			
Fax	+44 (0)2030 279 352			
Email	sds.CommercialProducts@newellco.com			
Local Supplier				
Company	Newell Poland Services Sp. z o. o.			
Address	2 UI. Wybickiego			
	Manieczki			
	Brodnica			
	63-112			
	Poland			
Web	www.rubbermaid.eu/contact			
Telephone	+44 (0)8705 686 824			
Fax	+44 (0)2030 279 352			
1.4. Emergency telephone n	umber			
Emergency telephone number	+44 (0)8705 686 824			
	Monday till Friday (08:30 - 17:00)			
Intended use				
	Fragranced metered aerosol space sprays designed for use in proprietary automated dispensers.			
Further information				
Informing Department	Technical Services Department.			
SECTION 2: Hazards ide	ntification			
2.1. Classification of the sub				
2.1.1. Classification -	F+; R12 R52/53			
1999/45/EC	Symbols: F+: Extremely flammable.			



Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the

Main hazards

Revision 4
Revision date 2012-12-23

# 2.1. Classification of the substance or mixture

aquatic environment.

### 2.2. Label elements

The product is classified in accordance with 67/548/EEC.

For professional use only.

Symbols F+: Extremely flammable.



Risk phrases

R12 - Extremely flammable.

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

S2 - Keep out of the reach of children.

S16 - Keep away from sources of ignition - No smoking.

S23 - Do not breathe gas/fumes/vapour/spray.

S51 - Use only in well-ventilated areas.

**Precautionary Phrases** 

P10 - Contains hexyl cinnamal, benzyl salicylate, acetyl cedrene, tetramethyl acetyloctahydronaphthalenes, hexyl salicylate. May produce an allergic reaction.

### **Further information**

Classification system

For mixtures, classification is in compliance with Regulation (EC) 1999/45. The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

# SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

# 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Isobutane	601-004-00-0	75-28-5	200-857-2		40 - 50%	F+; R12
Propane	601-003-00-5	74-98-6	200-827-9		10 - 20%	F+; R12
Ethanol	603-002-00-5	64-17-5	200-578-6		10 - 20%	F; R11
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		1 - 10%	F; R11 Xi; R36 R67
Dipropylene Glycol		110-98-5	203-821-4		1 - 10%	
tetramethyl Acetyloctahydronaphthalenes		54464-57-2	259-174-3		< 1%	Xi; R43 N; R51/53
Beta-lonone		14901-07-6	238-969-9		< 1%	N; R51/53
Hexyl Salicylate		6259-76-3	228-408-6		< 1%	Xi; R38-43 N; R50/53
Linalyl acetate		115-95-7	204-116-4		< 1%	Xi; R38 N; R51/53
Hexyl Cinnamal		101-86-0	202-983-3		< 1%	Xi; R43 N; R50/53
Benzyl salicylate		118-58-1	204-262-9		< 1%	Xi; R43 N; R51/53
Citronellyl Acetate		150-84-5	205-775-0		< 1%	Xi; R38 N; R51/53
4-Tertiary-butylcyclohexyl acetate		32210-23-4	250-954-9		< 1%	N; R51/53
Acetyl Cedrene		32388-55-9	251-020-3		< 1%	Xi; R43 N; R50/53
Geranyl Acetate		105-87-3	203-341-5		< 1%	N; R51/53

## **Further information**

Revision Revision date 2012-12-23

	Revision date 2012-12-23
Further information	
	Regulation (EU) 453/2010 - Substances in compliance with Regulation (EC) 1272/2008.
	Isobutane - Flam. Gas 1: H220; GHS02; GHS04;.
	Propane - Flam. Gas 1: H220; GHS02; GHS04;.
	Ethanol - Flam. Lig. 2: H225; GHS02;.
	Isopropanol - Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; GHS07; GHS02;.
	Dipropylene Glycol - Skin Irr. 2: H315; Eye Irr. 2: H319; GHS07;
	Tetramethyl acetyloctahydronaphthalenes - Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquat. Chronic 2: H411; GHS07; GHS09;.
	Beta-ionone - Aquatic Chronic 2: H411; GHS09;.
	Hexyl salicylate - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; Aquatic Chronic 1: H410; GHS07; GHS09:.
	Linalyl acetate - Skin Irrit. 2: H315; Eye Dam. 2: H319; GHS07;.
	Hexyl cinnamal - Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; GHS07;
	GHS09;.
	Benzyl salicylate - Skin Sens. 1: H317; Aquatic Chronic 2: H411; GHS07; GHS09;.
	Citronellyl acetate - Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 2: H411; GHS07; GHS09;.
	4-Tertiary-butylcyclohexyl acetate - Aquatic Chronic 2: H411; GHS09;.
	Geranyl acetate - Skin Irrit. 2: H315; Aquatic Chronic 2: H411; GHS07; GHS09;.
	Acetyl cedrene - Skin Sens. 1: H317; Aquatic Chronic 1: H410; GHS07; GHS09;.
Additional Information:	Full text for all Risk Phrases mentioned in this section are displayed in Section 16.
Description	Mixture of organic solvents, perfume and propane/iso-butane (propellant).
SECTION 4: First aid measu	ires

41	Descript	ion of firs	t aid mea	SHIPS
4. I.	Describi	JULI OL IIIS	i aiu illea	oures.

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water.
Ingestion	Rinse mouth thoroughly. DO NOT INDUCE VOMITING.
4.2. Most important symptoms a	and effects, both acute and delayed
Inhalation	May cause dizziness and headache.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.
4.3. Indication of any immediate	medical attention and special treatment needed
Inhalation	If you feel unwell, seek medical advice (show the label where possible).

Inhalation	If you feel unwell, seek medical advice (show the label where possible).
Eye contact	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.
Further information	

In case of accident or if you feel unwell, seek medical advice immediately (show the label where
possible).

# SECTION 5: Firefighting measures

# 5.1. Extinguishing media

Carbon dioxide (CO2). Alcohol resistant foam
Do NOT use water iet

# 5.2. Special hazards arising from the substance or mixture

# 5.3. Advice for firefighters

Wear suitable respiratory equipment when necessary.

# **Further information**

Revision 4
Revision date 2012-12-23

**Further information** 

Cool fire exposed containers with waterspray.

### **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment. Evacuate personnel to a safe area.

### 6.2. Environmental precautions

No environmental requirements.

## 6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 6.4. Reference to other sections

See section 8 + 13 for further information.

# SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Wear suitable protective equipment

## 7.2. Conditions for safe storage, including any incompatibilities

Ensure adequate ventilation of the working area.

Keep in a cool, dry, well ventilated area. Heat will increase pressure in sealed containers. Keep away from sources of ignition - No smoking. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Do not store with strong oxidising agents, Strong acids. Protect from heat and direct sunlight. Observe official regulations on storing packagings with pressurised containers.

## 7.3. Specific end use(s)

Air care products.

# SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.1.1. Exposure Limit Values

Ethanol	WEL 8-hr limit ppm: 1000 WEL 8-hr limit mg/m3: 1920	
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400	WEL 8-hr limit mg/m3: 999
	WEL 15 min limit ppm: 500	WEL 15 min limit mg/m3: 1250

## 8.2. Exposure controls

8.2.1	i. Appro	priate
enai	neerina	controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Adopt best Manual Handling considerations when handling, carrying and dispensing.

Eye / face protection

Avoid contact with eyes.

Not normally required.

Skin protection - Handprotection

Wash hands after handling the product.

Respiratory protection

Further information

Additional Information:

Wash hands during breaks and at the end of the work.

# SECTION 9: Physical and chemical properties



Revision 4
Revision date 2012-12-23

# 9.1. Information on basic physical and chemical properties

State	Aerosol
Colour	According to Product specification.
Odour	Characteristic
Vapour pressure	4.0 ± 0.5 bar
Vapour pressure Relative density	0.62 - 0.632
Explosive	1.8 - 19.0 vol%

### SECTION 10: Stability and reactivity

1	n	1	R	ea	ctiv	/it\	,

Stable under normal conditions.

### 10.2. Chemical stability

Will not decompose if stored and used as recommended.

# 10.3. Possibility of hazardous reactions

Strong oxidising agents.

# 10.4. Conditions to avoid

Store at temperatures above 50 °C. Heat, sparks and open flames.

### 10.5. Incompatible materials

No data available.

No data available.

Do not allow product to enter drains

# 10.6. Hazardous decomposition products

Carbon oxides. Carbon dioxide (CO2).

# SECTION 11: Toxicological information

# 11.1. Information on toxicological effects

**Skin corrosion/irritation** May cause irritation to skin. May cause allergic reactions in susceptible people.

# 11.1.4. Toxicological Information

Ethanol	Oral Rat LD50: 6200 - 17800	
	mg/kg	
Isopropanol	Inhalation Rat LC50/4 h: >20 mg/l	Oral Rat LD50: >5000 mg/kg
	Dermal Rabbit LD50: >5000 mg/kg	

# SECTION 12: Ecological information

# 12.1. Toxicity

Does not bioaccumulate.  12.4. Mobility in soil  Evaporates readily.  12.5. Results of PBT and vPvB assessment  No data is available on this product.	Ethanol	Algae IC50/72h: 5000 mg/l Fish LC50/96h: 11400 mg/		
Evaporates readily.  12.3. Bioaccumulative potential  Does not bioaccumulate.  12.4. Mobility in soil  Evaporates readily.  12.5. Results of PBT and vPvB assessment  No data is available on this product.		No data is available on this product.		
12.3. Bioaccumulative potential  Does not bioaccumulate.  12.4. Mobility in soil  Evaporates readily.  12.5. Results of PBT and vPvB assessment  No data is available on this product.	12.2. Persistence and degradal	pility		
Does not bioaccumulate.  12.4. Mobility in soil  Evaporates readily.  12.5. Results of PBT and vPvB assessment  No data is available on this product.		Evaporates readily.		
12.4. Mobility in soil  Evaporates readily.  12.5. Results of PBT and vPvB assessment  No data is available on this product.	12.3. Bioaccumulative potential			
Evaporates readily.  12.5. Results of PBT and vPvB assessment  No data is available on this product.		Does not bioaccumulate.		
12.5. Results of PBT and vPvB assessment  No data is available on this product.	12.4. Mobility in soil			
No data is available on this product.		Evaporates readily.		
·	12.5. Results of PBT and vPvB assessment			
·		No data is available on this product.		
12.6. Other adverse effects				

**Further information** 

Revision 4
Revision date 2012-12-23

SECTION 13: Disposal cons	Revision date 2012-12-2
General information	siderations
Conoral information	Dispose of in compliance with all local and national regulations
Disposal methods	Dispose of in compliance with all local and national regulations.
Disposal metrious	
Discount of a set of a	Contact a licensed waste disposal company.
Disposal of packaging	1
	Dispose of in compliance with all local and national regulations. Do NOT reuse empty containers.
	Empty containers can be sent for disposal or recycling.
SECTION 14: Transport info	ormation
Hazard pictograms	
	2
14.1. UN number	
	UN1950
14.2. UN proper shipping name	
1 1 11 0	AEROSOLS
14.3. Transport hazard class(e	
ADR/RID	2
	see SP63
Subsidiary risk IMDG	2
Subsidiary risk	see SP63
IATA	2
Subsidiary risk	see SP63
14.4. Packing group	1 000 O. 00
	_
Packing group  14.5. Environmental hazards	<u>  -                                   </u>
	1
Environmental hazards	No No
Marine pollutant ADR/RID	No
Hazard ID	
Tunnel Category	(D)
IMDG	
EmS Code	F-D S-U
IATA	<u> </u>
Packing Instruction (Cargo)	203
Maximum quantity	150 kg
Packing Instruction	203
(Passenger)	
Maximum quantity	75 kg
Further information	
Remarks	ADR - Goods are classified as "Limited Quantities" and are therefore excempt from ADR regulations. Check local legislation for domestic transport.
Remarks	IMDG - Goods are classified as "Limited Quantities" and are therefore exempt from IMDG regulations. Check local regulation for domestic transport.



Revision 4
Revision date 2012-12-23

**Further information** 

Remarks "Limited Quantity".

# **SECTION 15: Regulatory information**

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

## Regulations

Aerosol product is manufactured in compliance with Commission Directive 2008/47/EC.

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

## 15.2. Chemical safety assessment

No data is available on this product.

### **Further information**

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material

### **SECTION 16: Other information**

## Other information

# Revision

This document differs from the previous version in the following areas:.

- 2 2.1. Classification of the substance or mixture.
- 3 Further information.
- 4 Skin contact.
- 4 Skin contact.
- 8 Additional Information:.
- 8 Further information.
- 11 Skin corrosion/irritation.
- 11 Respiratory or skin sensitisation.
- 11 Serious eye damage/irritation.
- 15 Risk phrases.
- 15 Precautionary Phrases.
- 16 General information.

### **Data sources**

Raw Material Data Sheets.

Exposure limits.

# Text of risk phrases in Section 3

- R11 Highly flammable.
- R12 Extremely flammable.
- R36 Irritating to eyes.
- R38 Irritating to skin.
- R43 May cause sensitisation by skin contact.

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

R67 - Vapours may cause drowsiness and dizziness.

# General information

Revision 4
Revision date 2012-12-23

General information	
	Additional information in compliance with Regulation (EC) 1272/2008.  H220 - Extremely flammable gas.  H225 - Highly flammable liquid and vapour.  H315 - Causes skin irritation.  H317 - May cause an allergic skin reaction.  H319 - Causes serious eye irritation.  H336 - May cause drowsiness or dizziness.  H400 - Very toxic to aquatic life.  H410 - Very toxic to aquatic life with long lasting effects.  H411 - Toxic to aquatic life with long lasting effects.
Further information	
	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.  *.
Informing Department	Technical Services Department.

